

## Abstract of the Disclosure

An optical switch is provided in which the difference of the optical loss due to the difference of optical path can be reduced. The optical switch comprises the first switching parts 2A - 2D and the second switching parts 3A - 3D. The first switching parts 2A - 2D each comprise: a planar waveguide device 4 in which four coupling optical waveguides 5a - 5d and an input optical waveguide 6 are provided; and reflection mirrors 8a - 8d for reflecting a light signal incident from the input optical waveguide 6 to the respective coupling optical waveguides 5a - 5d, respectively. The second switching parts 3A - 3D each comprise: a planar waveguide device 9 in which coupling optical waveguides 10a - 10d and an output optical waveguide 11 are provided; and reflection mirrors 13a - 13d for reflecting a light signal incident from the respective coupling optical waveguides 10a - 10d to the output optical waveguide 11. The optical switch is provided with 16 optical fibers 20 for connecting the coupling optical waveguides 5a - 5d of the first switching parts 2A - 2D to the different second coupling optical waveguides 10a - 10d of the second switching parts 3A-3D, respectively.